AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (canceled).

Claim 2 (currently amended): A ~~dry surface treating~~ deposition apparatus including a ~~treating~~ vacuum-treating chamber, said ~~treating~~ vacuum-treating chamber comprising:

~~a surface-treating material supply section~~ an evaporating section for a depositing material;

a tubular barrel having a porous peripheral surface for accommodating a work piece, for treating a surface of the work piece while rotating, said tubular barrel being horizontally arranged about a horizontal rotational axis,

the ~~surface-treating material supply~~ evaporating section being provided ~~outside~~ in a lower region of the tubular barrel so as to allow ~~surface-treating~~ depositing material to pass into and out of the tubular barrel through the porous peripheral surface,

wherein said tubular barrel has a slide stop for stopping a slide of the accommodated work piece along an inner peripheral surface of said tubular barrel as a result of rotation of said tubular barrel, [[and]]

wherein said tubular barrel has a sectional shape with respect to the rotational axis having at least one corner at an internal angle of 30° to 100°, said corner being provided as said slide stop,

wherein the depositing material consists of at least one of aluminum, zinc, titanium, chromium, magnesium, nickel, an aluminum alloy, a zinc alloy, a titanium alloy, a chromium alloy, a magnesium alloy, a nickel alloy, an aluminum oxide and a titanium nitride, and

wherein said work piece is a rare earth metal-based permanent magnet in a plate or bow shape.

Claim 3 (currently amended): [[An]] The apparatus according to claim 2, wherein said tubular barrel has a sectional polygonal shape with respect to the rotational axis having at least three corners at internal angles of 30° to 100°, said corners being provided as said slide stops.

Claim 4 (currently amended): [[An]] The apparatus according to claim 3, wherein said tubular barrel has a sectional shape of a regular triangle with respect to the rotational axis.

Claim 5 (currently amended): [[An]] The apparatus according to claim 3, wherein said tubular barrel has a sectional shape of a square with respect to the rotational axis.

Claim 6 (currently amended): [[An]] The apparatus according to claim 2, wherein said tubular barrel has a sectional shape of a rhombus with respect to the rotational axis.

Claim 7 (currently amended): A ~~dry surface treating~~ deposition apparatus including a ~~treating~~ vacuum-treating chamber, said ~~treating~~ vacuum-treating chamber comprising:

~~a surface-treating material supply section~~ an evaporating section for a depositing material;

a tubular barrel having a porous peripheral surface for accommodating a work piece, for treating a surface of the work piece while rotating, said tubular barrel being horizontally arranged about a horizontal rotational axis,

the ~~surface-treating material supply~~ evaporating section being provided ~~outside~~ in a lower region of the tubular barrel so as to allow ~~surface-treating~~ depositing material to pass into and out of the tubular barrel through the porous peripheral surface,

wherein said tubular barrel has a slide stop for stopping a slide of the accommodated work piece along an inner peripheral surface of said tubular barrel as a result of rotation of said tubular barrel, [[and]]

wherein said tubular barrel has a sectional shape of a convex curve in a part of said sectional shape with respect to the rotational axis,

wherein the depositing material consists of at least one of aluminum, zinc, titanium, chromium, magnesium, nickel, an aluminum alloy, a zinc alloy, a titanium alloy, a chromium alloy, a magnesium alloy, a nickel alloy, an aluminum oxide and a titanium nitride, and

wherein said work piece is a rare earth metal-based permanent magnet in a plate or bow shape.

Claim 8 (currently amended): [[An]] The apparatus according to claim 7, wherein said tubular barrel has a sectional shape of an ellipse or convex lens with respect to the rotational axis.

Claim 9 (currently amended): A ~~dry surface treating~~ deposition apparatus including a ~~treating~~ vacuum-treating chamber, said ~~treating~~ vacuum-treating chamber comprising:

~~a surface-treating material supply section~~ an evaporating section for a depositing material;

a tubular barrel having a porous peripheral surface for accommodating a work piece, for treating a surface of the work piece while rotating, said tubular barrel being horizontally arranged about a horizontal rotational axis,

the ~~surface-treating material supply~~ evaporating section being provided ~~outside~~ in a lower region of the tubular barrel so as to allow ~~surface-treating~~ depositing material to pass into and out of the tubular barrel through the porous peripheral surface,

wherein said tubular barrel has a slide stop for stopping a slide of the accommodated work piece along an inner peripheral surface of said tubular barrel as a result of rotation of said tubular barrel, [[and]]

wherein a protrusion is provided on an inner peripheral surface of said tubular barrel, said protrusion being made as said slide stop.

wherein the depositing material consists of at least one of aluminum, zinc, titanium, chromium, magnesium, nickel, an aluminum alloy, a zinc alloy, a titanium alloy, a chromium alloy, a magnesium alloy, a nickel alloy, an aluminum oxide and a titanium nitride, and

wherein said work piece is a rare earth metal-based permanent magnet in a plate or bow shape.

Claim 10 (currently amended): [[An]] The apparatus according to claim 9, wherein said protrusion is provided at an internal angle of 30° to 100°.

Claim 11 (currently amended): [[An]] The apparatus according to claim 9, wherein said protrusion is in any of a comb shape, a plate shape and a rod shape.

Claim 12 (currently amended): [[An]] The apparatus according to claim 9, wherein a number of said protrusion is one to seven.

Claim 13 (currently amended): [[An]] The apparatus according to any one of claims 2, 7 and 9, wherein said tubular barrel has an interior comprising a plurality of partitioned accommodating sections formed by one or more partitioning members provided perpendicular to the rotational axis of said tubular barrel.

Claim 14 (currently amended): [[An]] The apparatus according to claim 13, wherein said partitioning member is formed by a linear member.

Claim 15 (currently amended): [[An]] The apparatus according to any one of claims 2, 7 and 9, wherein said tubular barrel has an interior comprising a plurality of partitioned chambers formed by one or more partitions parallel to the rotational axis of said tubular barrel.

Claim 16 (currently amended): [[An]] The apparatus according to claim 15, wherein said partitioned chamber is in a sectional shape with respect to the rotational axis having at least one corner at an internal angle of 30° to 100°, said corner being provided as said slide stop.

Claim 17 (currently amended): [[An]] The apparatus according to claim 13, wherein a work piece is accommodated in each of said partitioned accommodating sections.

Claim 18 (currently amended): [[An]] The apparatus according to any one of claims 2, 7 and 9, wherein said porous peripheral surface is a mesh shape peripheral surface.

Claim 19 (currently amended): [[An]] The apparatus according to any one of claims 2, 7 and 9, wherein said porous peripheral surface is a slit shape peripheral surface.

Claim 20 (currently amended): [[An]] The apparatus according to any one of claims 2, 7 and 9, wherein a plurality of tubular barrels is annularly supported at positions circumferentially outward of the rotational axis of a support member rotatable about the rotational axis in a horizontal direction.

Claims 21-22 (canceled).

Claim 23 (currently amended): A dry surface treating method for treating a work piece, comprising treating said work piece by using said ~~dry surface treating~~ deposition apparatus according to any one of claims 2, 7 and 9.

Claim 24 (canceled).

Claim 25 (currently amended): [[A]] The dry surface treating method according to claim 23, wherein said work piece is treated while having its surfaces inverted at said slide stop as a fulcrum.

Claim 26 (previously presented): A rare earth metal-based permanent magnet comprising a surface treated by said dry surface treating method according to claim 23.

Claim 27 (canceled).

Claim 28 (currently amended): [[An]] The apparatus according to claim 15, wherein a work piece is accommodated in each of said partitioned chambers.